

#4  
Docket No.: 50395-134

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of

Takemi HASEGAWA, et al.

Serial No.: 10/076,603

Group Art Unit: 2874

Filed: February 19, 2002

Examiner:

For: OPTICAL FIBER AND OPTICAL FIBER TRANSMISSION LINE, AND  
MANUFACTURING METHOD THEREFOR

**INFORMATION DISCLOSURE STATEMENT**

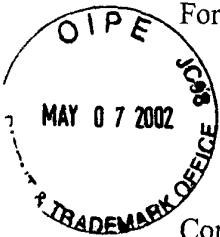
Commissioner for Patents  
Washington, DC 20231

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

The relevance of each non-English language reference, if any, is discussed in the present specification.



10/076,603

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

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**INFORMATION DISCLOSURE  
CITATION IN AN  
APPLICATION**

(PTO-1449)

ATTY. DOCKET NO.  
**50395-134**

SERIAL NO.  
**10/076,603**

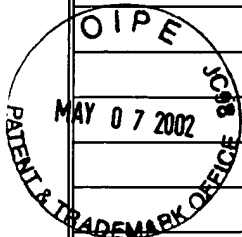
APPLICANT  
**Takemi HASEGAWA, et al.**

FILING DATE  
**February 19, 2002**

GROUP  
**2874**

**U.S. PATENT DOCUMENTS**

| EXAMINER'S<br>INITIALS | PATENT NO. | DATE     | NAME              | CLASS | SUBCLASS | FILING DATE |
|------------------------|------------|----------|-------------------|-------|----------|-------------|
|                        | 5,802,236  | 09/01/98 | DiGiovanni, et al |       |          |             |
|                        |            |          |                   |       |          |             |
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|                        |            |          |                   |       |          |             |
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|                        |            |          |                   |       |          |             |



**FOREIGN PATENT DOCUMENTS**

| EXAMINER'S<br>INITIALS | PATENT NO. | DATE     | COUNTRY | CLASS | SUBCLASS | Translation |    |
|------------------------|------------|----------|---------|-------|----------|-------------|----|
|                        |            |          |         |       |          | Yes         | No |
|                        | 00/37944   | 06/29/00 | WIPO    |       |          |             |    |
|                        |            |          |         |       |          |             |    |
|                        |            |          |         |       |          |             |    |
|                        |            |          |         |       |          |             |    |
|                        |            |          |         |       |          |             |    |
|                        |            |          |         |       |          |             |    |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

|  |   |
|--|---|
|  | D.J. Richardson, et al " <i>Holey Fibres – A Review of Recent Developments in Theory, Fabrication and Experiment</i> " Proc. ECOC 2000, Vol. 4, September 2000, pages 37-40   |
|  | P.J. Bennett, et al " <i>Toward Practical Holey Fiber Technology: Fabrication, Splicing, Modeling, And Characterization</i> " Optical Society of America, Optical Letters, September 1, 1999, Vol. 24, No. 17 pages 1203-1205 |
|  | R. Windeler, " <i>Silica-Air Microstructured Fibers: Properties And Applications</i> ", OFC'99, FG1 (1999), pages 106-107   |
|  | Takemi HASEGAWA, et al, " <i>Optical Fiber</i> " United States Patent Application No. 09/793,415, Filed February 27, 2001, Atty. Docket No. 50212-196   |
|  | Takemi HASEGAWA, et al " <i>Optical Fiber And Method Of Making The Same</i> " United States Patent Application No. 09/810,414, Filed March 19, 2001, Atty. Docket No. 50212-201   |

EXAMINER

DATE CONSIDERED